

#17/ Supplemental Amndt C
R. Morgan
5/17/94

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas J. CAMPANA, JR. et al
Serial No.: 07/702,938
Filed: May 20, 1991
For: SYSTEM FOR INTERCONNECTING ELECTRONIC
MAIL SYSTEMS BY RF COMMUNICATIONS
AND METHOD OF OPERATION THEREOF
Group: 2608
Examiner: G. Oehling

26X1 R. Morgan
4-12-94 6-3-94

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SUPPLEMENTAL AMENDMENT

Honorable Commissioner of
Patents and Trademarks
Washington, D. C. 20231

April 29, 1994

Sir:

This is supplemental to the Amendment filed April 20, 1994.

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IN THE SPECIFICATION:

Page 35, line 16, change "19" to --119--.

IN THE CLAIMS:

Please amend claims 33, 35, 37, 39, 41, 43, 52, 54, 56,
58, and 60 as follows:

~~33~~ (Amended) A system in accordance with claim ~~32~~
wherein the RF information transmission network comprises:

an RF information transmission network switch, the RF
information transmission network switch receiving the packet

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~~from the interface switch [transmits] disassembles the packet~~
~~into disassembled information [and disassembles the packet into~~
~~information] including the originated information and the~~
~~identification number of the at least one RF receiver in the RF~~
~~information network [from the plurality of originating~~
~~processors in the one of the electronic mail systems]; and~~
~~wherein~~

the RF information transmission network transmits the
[disassembled information including the identification number of
the at least one RF receiver transferring the originated
information to the at least one of the plurality of destination
processors] originated information and the identification number
from the RF information transmission network switch to another
RF information transmission network switch in the RF information
transmission network storing a file containing the
identification number and any destination of the at least one
RF receiver in the RF information transmission network to which
the originated information and identification number is to be
transmitted by the RF information transmission network and adds
any destination of the at least one RF receiver stored in the
file containing the identification number to the originated
information and the RF information transmission network in
response to any added destination transmits the originated
information and identification number to any destination of the
at least one RF receiver for RF broadcast to the at least one
RF receiver.

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35.

(Amended) A system in accordance with claim 34

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wherein the RF information transmission network comprises:

an RF information transmission network switch, the RF information transmission network switch receiving the packet from the interface switch [transmits] disassembles the packet into disassembled information [and disassembles the packet into information] including the originated information and the identification number of the at least one RF receiver in the RF information network [from the plurality of originating processors in the one of the electronic mail systems]; and wherein.

the RF information transmission network transmits the [disassembled information including the identification number of the at least one RF receiver transferring the originated information to the at least one of the plurality of destination processors] originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in

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~~response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver~~

~~14.37. (Amended) A system in accordance with claim 36/3~~
wherein the RF information transmission network comprises:

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an RF information transmission network switch, the RF information transmission network switch receiving the packet from the interface switch [transmits] disassembles the packet into disassembled information [and disassembles the packet into information] including the originated information and the identification number of the at least one RF receiver in the RF information network [from the plurality of originating processors in the one of the electronic mail systems]; and wherein

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the RF information transmission network transmits the [disassembled information including the identification number of the at least one RF receiver transferring the originated information to the at least one of the plurality of destination processors] originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which

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~~the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.~~

16-39 (Amended) A system in accordance with claim 38 ~~is~~
wherein the RF information transmission network comprises:

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an RF information transmission network switch, the RF information transmission network switch receiving the packet from the interface switch [transmits] disassembles the packet into disassembled information [and disassembles the packet into information] including the originated information and the identification number of the at least one RF receiver in the RF information network [from the plurality of originating processors in the one of the electronic mail systems]; and wherein

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(cont'd)

the RF information transmission network transmits the [disassembled information including the identification number of the at least one RF receiver transferring the originated information to the at least one of the plurality of destination processors] ~~originated information and the identification number~~

~~from the RF information transmission network switch to another~~
RF information transmission network switch in the RF information
transmission network storing a file containing the
identification number and any destination of the at least one
RF receiver in the RF information transmission network to which
the originated information and identification number is to be
transmitted by the RF information transmission network and adds
any destination of the at least one RF receiver stored in the
file containing the identification number to the originated
information and the RF information transmission network in
response to any added destination transmits the originated
information and identification number to any destination of the
at least one RF receiver for RF broadcast to the at least one
RF receiver.

~~18. 41. (Amended) A system in accordance with claim 40¹⁷~~
wherein the RF information transmission network comprises:

an RF information transmission network switch, the RF
information transmission network switch receiving the packet
from the interface switch [transmits] disassembles the packet
into disassembled information [and disassembles the packet into
information] including the originated information and the
identification number of the at least one RF receiver in the RF
information network [from the plurality of originating
processors in the one of the electronic mail systems]; and
wherein

~~the RF information transmission network transmits the~~
[disassembled information including the identification number of
the at least one RF receiver transferring the originated
information to the at least one of the plurality of destination
processors] originated information and the identification number
from the RF information transmission network switch to another
RF information transmission network switch in the RF information
transmission network storing a file containing the
identification number and any destination of the at least one
RF receiver in the RF information transmission network to which
the originated information and identification number is to be
transmitted by the RF information transmission network and adds
any destination of the at least one RF receiver stored in the
file containing the identification number to the originated
information and the RF information transmission network in
response to any added destination transmits the originated
information and identification number to any destination of the
at least one RF receiver for RF broadcast to the at least one
RF receiver.

~~20 49 (Amended) A system in accordance with claim 42¹⁹~~
wherein the RF information transmission network comprises:

an RF information transmission network switch, the RF
information transmission network switch receiving the packet
from the interface switch [transmits] disassembles the packet
into disassembled information [and disassembles the packet into

~~information] including the originated information and the
identification number of the at least one RF receiver in the RF
information network [from the plurality of originating
processors in the one of the electronic mail systems]; and
wherein~~

~~the RF information transmission network transmits the
[disassembled information including the identification number of
the at least one RF receiver transferring the originated
information to the at least one of the plurality of destination
processors] originated information and the identification number
from the RF information transmission network switch to another
RF information transmission network switch in the RF information
transmission network storing a file containing the
identification number and any destination of the at least one
RF receiver in the RF information transmission network to which
the originated information and identification number is to be
transmitted by the RF information transmission network and adds
any destination of the at least one RF receiver stored in the
file containing the identification number to the originated
information and the RF information transmission network in
response to any added destination transmits the originated
information and identification number to any destination of the
at least one RF receiver for RF broadcast to the at least one
RF receiver.~~

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~~29,52. (Amended) A method in accordance with claim 51~~ ²⁸
comprising:

receiving the packet from the interface switch with an RF information transmission network switch which disassembles the packet into disassembled information including the originated information [from the plurality of originating processors in the one of the electronic mail systems] and the identification number of the at least one RF receiver in the RF information network; and

the RF information transmission network transmits the [disassembled] originated information [including] and the identification number of the at least one RF receiver [transferring the originated information to the at least one of the plurality of destination processors] from the RF information transmission switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any destination of the at least one RF receiver transmits the originated information and identification number to any

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~~destination of the at least one RF receiver for RF broadcast to
the at least one RF receiver.~~

~~31. 54. (Amended) A method in accordance with claim 32 34~~
comprising:

receiving the packet from the interface switch with an
RF information transmission network switch which disassembles
the packet into disassembled information including the
originated information [from the plurality of originating
processors in the one of the electronic mail systems] and the
identification number of the at least one RF receiver in the RF
information network; and

the RF information transmission network transmits the
[disassembled] originated information [including] and the
identification number of the at least one RF receiver
[transferring the originated information to the at least one of
the plurality of destination processors] from the RF information
transmission switch to another RF information transmission
network switch in the RF information transmission network
storing a file containing the identification number and any
destination of the at least one RF receiver in the RF
information transmission network to which the originated
information and identification number is to be transmitted by
the RF information transmission network and adds any destination
of the at least one RF receiver stored in the file containing
the identification number to the originated information and the

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~~RF information transmission network in response to any destination of the at least one RF receiver transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.~~

~~33, 56. (Amended) A method in accordance with claim 55 32~~
comprising:

receiving the packet from the interface switch with an RF information transmission network switch which disassembles the packet into disassembled information including the originated information [from the plurality of originating processors in the one of the electronic mail systems] and the identification number of the at least one RF receiver in the RF information network; and

the RF information transmission network transmits the [disassembled] originated information [including] and the identification number of the at least one RF receiver [transferring the originated information to the at least one of the plurality of destination processors] from the RF information transmission switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by

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~~the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any destination of the at least one RF receiver transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.~~

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~~36.58. (Amended) A method in accordance with claim 57 34~~
comprising:

receiving the packet from the interface switch with an RF information transmission network switch which disassembles the packet into information including the originated information [from the plurality of originating processors in the one of the electronic mail systems]; and

the RF information transmission network transmits the [disassembled] originated information [including] the identification number of the at least one RF receiver [transferring the originated information to the at least one of the plurality of destination processors] from the RF information transmission switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF ~~information transmission network to which the originated~~

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~~information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any destination of the at least one RF receiver transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.~~

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~~37, 68. (Amended) A method in accordance with claim 59 ³⁶ comprising:~~

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~~receiving the packet from the interface switch with an RF information transmission network switch which disassembles the packet into disassembled information including the originated information [from the plurality of originating processors in the one of the electronic mail systems] and the identification number of the at least one RF receiver in the RF information network; and~~

~~the RF information transmission network transmits the [disassembled] originated information [including] and the identification number of the at least one RF receiver [transferring the originated information to the at least one of the plurality of destination processors] from the RF information transmission switch to another RF information transmission network switch in the RF information transmission network~~

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~~storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any destination of the at least one RF receiver transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.~~

Please add claims 62-85 as follows:

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³⁹~~62~~. A method in accordance with claim ²²~~45~~ wherein:
the at least one RF receiver transfers the originated information from storage to the at least one destination processor in the another of the electric mail systems at a time subsequent to reception of the originated information by the at least one receiver.

⁴⁰~~63~~. A method in accordance with claim ³⁹~~62~~ wherein:
the at least one RF receiver is portable.

^{41.}
~~64.~~ A method in accordance with claim ³⁹~~62~~ wherein:

the at least one RF receiver and the at least one destination processor in the another of the electronic mail systems are portable.

^{42.}
~~65.~~ A method in accordance with claim ³⁹~~62~~ wherein:

the transfer of the originated information occurs after the at least one RF receiver is connected to the at least one destination processor in the another of the electronic mail systems.

^{43.}
~~66.~~ A method in accordance with claim ⁴⁰~~63~~ wherein:

the transfer of the originated information occurs after the at least one RF receiver is connected to the at least one destination processor in the another of the electronic mail systems.

^{44.}
~~67.~~ A method in accordance with claim ⁴¹~~64~~ wherein:

the transfer of the originated information occurs after the at least one RF receiver is connected to the at least one destination processor in the another of the electronic mail systems.

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~~45~~
~~68~~ A method in accordance with claim ~~62~~³⁹ wherein:

the transfer occurs under control of a program stored by the at least one destination processor of the another of the electronic mail systems and makes the originated information accessible to application programs stored within the at least one destination processor of the another of the electronic mail systems.

~~46~~
~~69~~ A method in accordance with claim ~~65~~⁴² wherein:

the transfer occurs under control of a program stored by the at least one destination processor of the another of the electronic mail systems and makes the originated information accessible to application programs stored within the at least one destination processor of the another of the electronic mail systems.

~~47~~
~~70~~ A method in accordance with claim ~~45~~²² wherein:

the transmission of the originated information between the one of the originating processors and the interface switch is through a host computer, a telephone network and a gateway switch.

^{48,}
~~71.~~ A method in accordance with claim ²²~~45~~ wherein:

the transmission of the originated information between the one of the originating processors and the interface switch is through a private automatic branch exchange, a telephone network and a gateway switch.

^{49,}
~~72.~~ A method in accordance with claim ²²~~45~~ wherein:

the transmission of the originated information between the one of the originating processors and the interface switch is through a local area network, a telephone network and a gateway switch.

^{50,}
~~73.~~ A method in accordance with claim ²²~~45~~ wherein:

the transmission of the originated information between the one of the originating processors and the interface switch is through a modem, a telephone network and a gateway switch.

^{51,}
~~74.~~ A system in accordance with claim ¹~~24~~ wherein:

the one of the electronic mail systems comprises a private automatic branch exchange.

^{52,}
~~75.~~ A system in accordance with claim ¹~~24~~ wherein:

the one of the electronic mail systems comprises a local area network.

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~~76~~

A system in accordance with claim ~~24~~¹ wherein:
the one of the electronic mail systems comprises at
least one gateway switch.

~~54~~
~~77~~

A system in accordance with claim ~~76~~⁵³ wherein:
the one electronic mail system further comprises a
telephone network.

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~~78~~

A system in accordance with claim ~~77~~⁵⁴ wherein:
the telephone network is a public switch telephone
network.

~~56~~
~~79~~

A system in accordance with claim ~~24~~¹ wherein:
the one of the electronic mail systems comprises a
host central processing unit.

~~57~~
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A system in accordance with claim ~~24~~¹ wherein:
the another of the electronic mail systems comprises
a private automatic branch exchange.

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A system in accordance with claim ~~24~~¹ wherein:
the another of the electronic mail systems comprises
a local area network.

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⁵⁹
~~82.~~

A system in accordance with claim ¹~~24~~ wherein:
the another of the electronic mail systems comprises
at least one gateway switch.

⁶⁰
~~83.~~

A system in accordance with claim ¹~~24~~ wherein:
the another of the electronic mail systems further
comprises a telephone network.

⁶¹
~~84.~~

A system in accordance with claim ⁶⁰~~83~~ wherein:
the telephone network is a public switch telephone
network.

⁶²
~~85.~~

A system in accordance with claim ¹~~24~~ wherein:
the another of the electronic mail systems comprises
a host processing unit. *Abv*

REMARKS

The specification has been amended to correct a minor
typographical error.

Claims 33, 35, 37, 39, 41, 43, 52, 54, 56, 58, and 60 have
been amended to be properly descriptive of the preferred form of
processing packets of information by the RF information
transmission network illustrated in Figs. 9 and 10.

Newly submitted claims 62-85 have been added to cover
additional aspects of the disclosed system and method which were
inadvertently not covered by the claims in the Amendment of

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April 20th. Any inconvenience to the Examiner of not presenting these claims earlier is regretted.

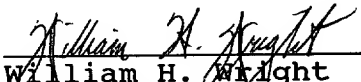
Dependent claims 62-85, which define further aspects of the disclosed invention, are patentable for the same reasons set forth in the Amendment February 4, 1993.

A check in the amount of \$264.00 is submitted to cover the filing fee for claims 62-85.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (780.29767X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

HENDERSON & STURM



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